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INTERNATIONAL SEARCHING AUTHORITY

To:

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PCT

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY  
(PCT Rule 43bis.1)

Date of mailing  
(day/month/year) see form PCT/ISA/210 (second sheet)

Applicant's or agent's file reference  
see form PCT/ISA/220

**FOR FURTHER ACTION**  
See paragraph 2 below

International application No.  
PCT/HU2004/000101

International filing date (day/month/year)  
02.11.2004

Priority date (day/month/year)  
01.03.2004

International Patent Classification (IPC) or both national classification and IPC  
H04L29/06, H04M1/253

Applicant  
JOBBAGY, Miklos

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☒ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA:



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**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.  
PCT/HU2004/000101

**Box No. I Basis of the opinion**

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
  - ☐ This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
  - a. type of material:
    - ☐ a sequence listing
    - ☐ table(s) related to the sequence listing
  - b. format of material:
    - ☐ in written format
    - ☐ in computer readable form
  - c. time of filing/furnishing:
    - ☐ contained in the international application as filed.
    - ☐ filed together with the international application in computer readable form.
    - ☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

International application No.  
PCT/HU2004/000101

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Novelty (N)	Yes: Claims	1-4
	No: Claims	
Inventive step (IS)	Yes: Claims	1-4
	No: Claims	
Industrial applicability (IA)	Yes: Claims	1-4
	No: Claims	

**see separate sheet**

The following defects in the form or contents of the international application have been noted:

Form PCT/ISA/237 (January 2004)

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING  
AUTHORITY (SEPARATE SHEET)**

International application No.

PCT/HU2004/000101

**Re Item V**

**Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

1. Reference is made to the following document:

D1: EP-A-1 328 101 (AVAYA TECHNOLOGY CORP) 16 July 2003  
(2003-07-16)

2. Independent claim 1 does not fulfill the requirements of Article 33(1)(3) PCT because its subject-matter does not involve an inventive step.

Document D1 discloses, in terms of claim 1, a set of equipment according to the invention for secure direct information transfer over the Internet (paragraphs 7, 23), which contains information transmitting terminal devices suitable for collaborating with an information forwarding network (paragraphs 7, 20-24), taking part in the information traffic, the individual information transmitting terminal devices are equipped with a sender partial unit, a receiver partial unit (following from paragraph 60) and a storage partial unit (paragraph 34) comprising [...] a device identification signal (following from paragraph 54), a [...] register suitable for storing a coding key and a register suitable for storing a decoding key (paragraphs 39-40), where the register containing the coding key is in connection with the sender partial unit (following from paragraph 34), and a coding key and a collaborating decoding key are allocated to the individual information transmitting terminal devices (paragraphs 39-40), characterised by that the storage partial unit of each information transmitting terminal device is completed with one or more temporary storage registers for the temporary storage of the coding keys of other information transmitting terminal devices (paragraph 57: end unit to end unit session key EUEUSK), while the information forwarding network is completed with at least one central traffic coordinating unit (paragraphs 23-24: call complex), the central traffic co-ordinating unit has an [...] register (paragraphs 39-40) storing a master decoding key (paragraph 46: private key) and a memory unit containing base cells for storing the coding keys belonging to the individual information transmitting terminal devices (following from paragraph 48-49, 56) and a master coding key collaborating with the master decoding key is allocated to the central traffic co-ordinating unit (paragraphs 39-40), and the registers of the information transmitting terminal devices are provided with a master coding (paragraph 45)

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key collaborating with the master decoding key stored in the [...] register of the central traffic co-ordinating unit (paragraphs 39-40).

The subject-matter of claim 1 differs in that dedicated registers are used (ID-register, C-register, D-register, MD-register).

However, the use of dedicated registers is a common measure (e.g. for increased processing speed) known in the field of data processing. The subject-matter of claim 1 is therefore obvious.

3. Dependent claims 2-4 do not contain any additional patentable subject-matter as their features are either known from document D1 or relate to minor design modifications known in the field of data processing.

**Re Item VII**

**Certain defects in the international application**

**The following issues apply in case the applicant continues to pursue the application in an optional PCT-Chapter II phase or in a later regional phase before the European Patent Office:**

1. In order to meet the requirements of Rule 5.1(a)(ii) PCT the document D1 cited above should be acknowledged and briefly discussed in the opening part of the description.
2. The opening part of the description should be adapted to any amendments carried out on the claims (Rule 5.1(a)(iii) PCT).
3. In order to facilitate the examination of the conformity of the amended application with the requirements of Article 34(2)(b) PCT, the applicant is requested to clearly identify the amendments carried out, no matter whether they concern amendments by addition, replacement or deletion, and to indicate the passages of the application as filed on which these amendments are based (see also Rule 66.8(a) PCT).

If the applicant regards it as appropriate these indications could be submitted in handwritten form on a copy of the relevant parts of the application as filed.

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